

Title (en)

TREAD RUBBER COMPOSITION AND PNEUMATIC TIRE

Title (de)

REIFENPROFILKAUTSCHUKZUSAMMENSETZUNG UND LUFTREIFEN

Title (fr)

COMPOSITION DE CAOUTCHOUC POUR BANDE DE ROULEMENT ET PNEUMATIQUE

Publication

**EP 3851488 A1 20210721 (EN)**

Application

**EP 19869141 A 20191001**

Priority

- JP 2018189197 A 20181004
- JP 2019038669 W 20191001

Abstract (en)

Provided are tread rubber compositions and pneumatic tires having excellent dry grip performance (grip performance on dry roads). Tread rubber compositions containing, per 100 parts by mass of the rubber component including at least one styrene-butadiene copolymer, 1 to 100 parts by mass of carbon black and 0 to 150 parts by mass of silica, the tread rubber compositions satisfying the following relationships (1) and (2):  $1.05 \leq H1b/H1a \leq 1.75$ ,  $0.20 \leq H2b/H2a \leq 0.75$  wherein H1a and H1b represent the peak areas of an extracted component obtained by acetone extraction of the compositions and an ozonolysis component obtained by ozonolysis of the extracted component, respectively, measured in a molecular weight range of at least 50 but less than 2500; and H2a and H2b represent the peak areas of the respective components in a molecular weight range of at least 2500 but not more than 30000.

IPC 8 full level

**C08L 9/06** (2006.01); **B60C 1/00** (2006.01); **C08K 3/04** (2006.01); **C08K 3/36** (2006.01); **C08L 101/02** (2006.01); **C08L 101/14** (2006.01)

CPC (source: EP)

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Designated extension state (EPC)

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